LAND APPLICATION SITE WALTER R. HANEY GRWRH 1-5 GREENE COUNTY

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

PART DIVI, LAND APP	LICATION AGREEMENT		
here as "Landowner", and remains in effect until it is to the Landowner in the eventindividual parcels identified	reement is made on 1-16 Recyc Systems, Inc ; reeminated in writing by either put of a sale of one or more parcill in this agreement changes, the eive biosolids or industrial residents.	eferred to here as the "Permit party or, with respect to those les, until ownership of all pare nose parcels for which owners	referred to dee". This agreement parcels that are retained by dels changes. If ownership of
	er of record of the real propert or reclamation sites identified		
Table 1 : Parcels aut	horized to receive biosolids, w	vater treatment residuals or of	her industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
29-A-5			
Additional parcels containing Lan	d Application Sites are identified on S	Supplement A (check if applicable)	
	e Landowner is the sole owne		erein.
=	e Landowner is one of multiple		
within 38 months of the late 1. Notify the purchase later than the date of	wner sells or transfers all or pa est date of biosolids application or or transferee of the applicab of the property transfer; and e of the sale within two weeks	n, the Landowner shall: le public access and crop ma	
notify the Permittee immedi	er agreements for land applica ately if conditions change suc f this agreement becomes inv	h that the fields are no longer	available to the Permittee
agricultural sites identified a inspections on the land ider purpose of determining com	nts permission to the Permitte above and in Exhibit A. The La atified above, before, during or apliance with regulatory requir	andowner also grants permist r after land application of pern ements applicable to such ap	sion for DEQ staff to conduct nitted residuals for the plication.
Class B biosolids Wate ▼ Yes □ No 図 Ye	r treatment residuals For	Yes □ No 図Y	
Landowner - Printed Name, Title	Signature		Address & Phone Number
Permittee:		43	34-985 - 2250
Recyc Systems, Inc., the I manner authorized by the VPA	[⊃] ermittee, agrees to apply biosoli Permit Regulation and in amoun plication field by a person certifie	its not to exceed the rates identif	ed in the nutrient management
The Permittee agrees to notify specifically prior to any particul	the Landowner or the Landowner ar application to the Landowner's	r's designee of the proposed sch land. Notice shall include the s	edule for land application and ource of residuals to be applied.
☐ I reviewed the document(s) a document(s) available to DEQ	essigning signatory authority to the for review upon request. (Do not o	ne person signing for landowner check this box if the landowner signs	above. I will make a copy of this this agreement)
Strucks	Doule	PO Box 562 Remi	ngton, Virginia 22734
Permittee - Authorized Represen	tative Signature		Address

Rev 9/14/2012

Printed Name

68

Permittee: Recyc Systems, Inc	County or City:	Greene
Landowner: Watter R. Haney	<u>Truste</u> e	

Landowner Site Management Requirements:

t, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

 Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

2. Public Access

- Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three
 years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45
 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

Date

Farm (Inection Signature

2386 Hunder nd

Mailing Address & Phone Number

434-960-2446

Walter R. Haney Trustee Haney Family Rev. Trust Landowner as shown on Deed

Power, Capacity and Authority. Such Party has the right, power, legal capacity, and authority to execute and enter into this Agreement and to execute all other documents and perform all other acts as may be necessary in connection with the performance of this Agreement.

Signature

Walter R. Hanes
Printed Name of Signer

1-16-18

Date

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS.

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here as "Landowner", and premains in effect until it is to the Landowner in the even individual parcels identified	Recyc Systems, Inc erminated in writing by either t of a sale of one or more par t in this agreement changes,	G-18 between Palsy the referred to here as the "Permi party or, with respect to those roels, until ownership of all parthose parcels for which ownersiduals under this agreement.	Itee". This agreement e parcels that are retained by cels changes. If ownership of
Landowner: The Landowner is the own- the agricultural, silvicultura attached as Exhibit A.	er of record of the real proper I or reclamation sites identifie	rty located in <u>Greene</u> ed below in Table 1 and identif	_Virginia, which includes ied on the tax map(s)
Table 1 Parceis au	thorized to receive biosolids,	water treatment residuals or c	ther industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
29-A-5			-
	 		
		 	
	 	 	
Additional parcels containing Lan	d Application Sites are identified on	Supplement A (check if applicable)	<u> </u>
		ner of the properties identified	
点 、Th	e Landowner is one of multip	ole owners of the properties id-	entified herein.
within 38 months of the late 1. Notify the purchase later than the date	est date of biosolids application of transferee of the application of the property transfer; and	part of the property to which b on, the Landowner shall: able public access and crop m as following property transfer.	• ,
notify the Permittee immedi	iately if conditions change su	cation on the fields identified has that the fields are no longe walid or the information herein	r available to the Permittee
agricultural sites identified a inspections on the land idea purpose of determining con	above and in Exhibit A. The ntified above, before, during a apliance with regulatory requ	tee to land apply residuals as Landowner also grants permis or after land application of per irements applicable to such a	sion for DEQ staff to conduct mitted residuals for the optication.
Class B biosolids Wate ☑ Yes ☐ No ☑ Ye	er treatment residuals Formula		<u>ner industrial sludges</u> Yes □ No
	10.00	1100 = 110	1595 Dundee Rd.
	A. Gulte	tzurt werne	Ruckersville.VA 22968
Landowner - Printed Name, Title	Signature	Maille	ng Address & Phone Number
Permittee:	~)	434-985-2250
Recyc Systems, Inc., the manner authorized by the VPA	Permit Regulation and in amou	olids and/or industrial residuals or unts not to exceed the rates identi ied in accordance with §10.1-104	fied in the nutrient management
The Permittee agrees to notify specifically prior to any particular	the Landowner or the Landown ar application to the Landowne	er's designee of the proposed so it's land. Notice shall include the s	nedule for land application and source of residuals to be applied.
☐ I reviewed the document(s) document(s) available to DEQ	assigning signatory authority to for review upon request. (Do no	the person signing for landowner of check this box if the landowner sign	above. I will make a copy of this s (his agreement)
Trubo	Detako.		ington, Virginia 22734
Permittee – Authorized Represer Printed Name		Mailir	ng Address

Rev 9/14/2012

Perr	itee:Recyc Systems, IncCounty or City:Greene
Lan	wner: Patsy Haney Trustee
Lan	owner Site Management Requirements:
	andowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the lition of biosolids, the components of biosolids and proper handling and land application of biosolids.
ident	also been expressly advised by the Permittee that the site management requirements and site access restrictions In delow must be complied with after biosolids have been applied on my property in order to protect public health, and In responsible for the implementation of these practices.
	to implement the following site management practices at each site under my ownership following the land application is at the site:
1.	Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a piosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site ompleted.
2	 Public Access a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids. b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following application of biosolids. No biosolids amended soit shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosolic. c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolid when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3.	 crop Restrictions: a Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface sh not be harvested for 14 months after the application of biosolids. b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil, c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids; e Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dair) animals).
4.	ivestock Access Restrictions: Following biosolids application to pasture or hayland sites; a. Meat producing livestock shall not be grazed for 30 days, b. Lactating dairy animals shall not be grazed for a minimum of 60 days, c. Other animals shall be restricted from grazing for 30 days;
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6.	obacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three ears following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 ounds/acre (0.5 kilograms/hectare).
	Patan Harry Trustes 1-16-18
	andowner's Signature Date

Farm Operator Signature

Mailing Address & Phone Number

Patsu P. Haney Trustee Haney Family Rev. Trust Landowner as shown on Deed

Power, Capacity and Authority. Such Party has the right, power, legal capacity, and authority to execute and enter into this Agreement and to execute all other documents and perform all other acts as may be necessary in connection with the performance of this Agreement.

<u> </u>	the war	WITTE
Signature	D	, O

Patsy Hancy
Printed Name of Signer

1-16-18

Date

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APP	LICATION AGREEME	NT - BIOSOLIDS AND	INDUSTRIA	L RESIDUALS
A. This land application agrinere as "Landowner", and remains in effect until it is to the Landowner in the event individual parcels identified longer be authorized to rec	Recyc Systems, Inc / / erminated in writing by eith t of a sale of one or more p in this agreement changes	referred to here as the ler party or, with respect to parcels, until ownership of s, those parcels for which	"Permittee". To those parcel fall parcels ch ownership ha	This agreement is that are retained by anges. If ownership of
Landowner: The Landowner is the owner the agricultural, silvicultural attached as Exhibit A.	er of record of the real prop or reclamation sites identi	perty located in <u>C. K. C.</u> fied below in Table 1 and	2 N CVirg identified on t	inia, which includes he tax map(s)
Table 1.: Parcels aut	horized to receive biosolid	s, water treatment residu	als or other inc	lustrial sludges
Tax Parcei ID	Tax Parcel ID	Tax Parcel ID		Tax Parcel ID
29-A-5B				
				
				
Additional parcels containing Lan-	d Application Sites are identified	on Supplement A (check if appli	cable)	
	e Landowner is the sole ov			
	e Landowner is one of mul			herein. — -
later than the date of		ition, the Landowner shall cable public access and d d	l: crop managem	, ,
The Landowner has no other notify the Permittee immedifor application or any part o incorrect.	ately if conditions change s	such that the fields are no	longer availal	ble to the Permittee
The Landowner hereby grad agricultural sites identified a inspections on the land iden purpose of determining com-	above and in Exhibit A. Thatified above, before, during	e Landowner also grants g or after land application	permission for of permitted re	DEQ staff to conduct assiduals for the
Class B biosolids Wate 图 Yes □ No 图 Ye		Food processing waste ⊠ Yes, □ No	Other Indu	strial sludges
WALTER RHAN	est Water	KHONEY ,	1595 DIN	DEORD
Landowner - Printed Name, Title	Signature		Mailing Addres	s & Phone Number
Permittee:			7	マシクメ
Recyc Systems, Inc., the I manner authorized by the VPA plan prepared for each land ap	Permittee, agrees to apply bio Permit Regulation and in am plication field by a person cer	iounts not to exceed the rate	s Identified in th	e nutrient management
The Permittee agrees to notify specifically prior to any particul				
☐ i reviewed the document(s) document(s) available to DEQ				
Can a see a se	John Delis .	11/		
Permittee - Authorized Represen		PO Box 563	2 Remington, Malling Addres	<u>Virginia 22734</u> s

Rev 9/14/2012

Permittee: Recyc Systems, Inc -	County or City:	GREEN e
Landowner: 4/alton & Honey		

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

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4. Livestock Access Restrictions:

Wild Street of

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- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre/(0.5 kilograms/hectare).

Landowner's Signature | Date

Operator Signature Malling Address & Phone Num

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: 1 AND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

PART D-VI: LAND APP	PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDOSTRIAL RESIDUALS							
here as "Landowner", and remains in effect until it is to the Landowner in the event individual parcels identified	A. This land application agreement is made on							
Landowner: The Landowner is the owner the agricultural, silvicultural attached as Exhibit A.	er of record of the real prop or reclamation sites ident	perty located inGreene ified below in Table 1 and ident	, Virginia, which includes ified on the tax map(s)					
Table 1.; Parcels aut	horized to receive biosolid	ls, water treatment residuals or	other industrial sludges					
Tax Parcel ID	<u>Tax Parcel ID</u>	Tax Parcel ID	<u>Tax Parcel ID</u>					
29-A-5B								
								
Additional parcels containing Lan	d Application Sites are identified	on Supplement A (check if applicable)						
Check one: The	e Landowner is the sole or	wner of the properties identified Itiple owners of the properties i	I herein.					
within 38 months of the late 1. Notify the purchase later than the date of	est date of biosolids applica or or transferee of the application of the property transfer; are	icable public access and crop r	nanagement restrictions no					
notify the Permittee immedi	ately if conditions change	plication on the fields identified such that the fields are no long invalid or the information here	er available to the Permittee					
agricultural sites identified a inspections on the land ider purpose of determining com	above and in Exhibit A. The ntified above, before, durin npliance with regulatory re	nittee to land apply residuals as ne Landowner also grants perm ng or after land application of pe quirements applicable to such a <u>Food processing waste</u>	ission for DEQ staff to conduct ermitted residuals for the application.					
☑ Yes ☐ No ☒ Ye	es 🗆 No		Yes II No					
D. Ia	11		undee Rd.					
The Pole	+ TACOSTINI		sville.va 22968					
Landowner - Printed Name, Title	Signature		ling Address & Phone Number					
manner authorized by the VPA	Permit Regulation and in an	osolids and/or industrial residuals on the country of the exceed the rates iden	on the Landowner's land in the stilled in the nutrient management					
		rtified in accordance with §10.1-10						
specifically prior to any particul	ar application to the Landow		source of residuals to be applied.					
☐ I reviewed the document(s) a document(s) available to DEQ	assigning signatory authority for review upon request. (Do	to the person signing for landowner not check this box if the landowner sig	er above. I will make a copy of this ins this agreement)					
Structo	(P. Dulo	PO Box 562 Rer	nington, Virginia 22734					
Permittee – Authorized Represer Printed Name	lative Signature	Mai	ling Address					

Rev 9/14/2012 Page 1 of 2

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Perr	mittee: Recyc Systems, I	nc	County o	r City: _	Greene	
Lan	downer: Patsy Hane	 				
Lan	downer Site Management	Requireme	ents:			
I, the	Landowner, I have received a DE loation of biosolids, the component	Q Biosolids Fals of biosolids	act Sheet that included and proper handling	des inforn and land	nation regarding reg d application of bios	gulations governing the lan olids.
ident	re also been expressly advised by lified below must be complied with I am responsible for the implement	after biosolids	s have been applied			
	ee to implement the following site oblids at the site:	management p	practices at each sit	e under n	ny ownership follow	ing the land application of
1.	Notification Signs: I will not rem biosolids land application site, ur completed.					
2.	 a. Public access to land wany application of bloso b. Public access to land wapplication of blosolids same period of time unit 	olids. vith a low poter No biosolids less adequate ere biosolids ar f is placed on e	ntial for public expo- amended soil shall provisions are mad re applied shall not	sure shall be excav e to previ be harves	be restricted for at ated or removed fro ent public exposure sted for one year aft	least 30 days following any om the site during this to soil, dusts or aerosols; er application of biosolids
3.	Crop Restrictions: a. Food crops with harves not be harvested for 14 b. Food crops with harves application of biosolids months prior to incorpor c. Food crops with harves biosolids remain on the d. Other food crops and file. Feed crops shall not be animals).	months after it ted parts below when the bios- ration into the ted parts below land surface for ber crops shall	the application of bi- w the surface of the olids remain on the soil, w the surface of the for a time period of I I not be harvested for	osolids. land shat land surfa land shat ess than tor 30 day:	Il not be harvested to ace for a time period If not be harvested to four (4) months priods after the application	for 20 months after the d of four (4) or more for 38 months when the or to incorporation, on of biosolids;
4.	Livestock Access Restrictions: Following biosolids applicati a. Meat producing livestoc b. Lactating dairy animals c. Other animals shall be a	k shall not be shall not be gi	grazed for 30 days, razed for a minimun	n of 60 da	ays.	
5.	Supplemental commercial fertiliz applications such that the total creeded by a person certified in	rop needs for r	nutrients are not exc	eeded as	s identified in the nu	s and industrial residuals trient management plan
6.	Tobacco, because it has been sh years following the application of pounds/acre (0.5 kilograms/hecta	nown to accum biosolids or in	nulate cadmium, sho	ould not b	e grown on the Lan	downer's land for three or exceeding 0.45
	1.079.1	1-102	NU _		1-	16-18
	Landowner's Syriature	5	9		Da	te

Farm Operator Signature

Mailing Address & Phone Number

FARM DATA SHEET

SITE NAME:	Walter R. Haney	COUNTY:	Greene
OWNER:	Walter R. and Patsy P. Haney Trustees Haney Family Rev. Trust; Walter Reid and Patsy P. Haney	OPERATOR:	Ashby Garth
OWNER'S	1595 Dundee Road	OPERATOR'S	2356 Dundee Road
ADDRESS:	Ruckersville, VA 22968	ADDRESS:	Ruckersville, VA 22968
OWNER'S TELEPHONE:	434-985-2250	OPERATOR'S TELEPHONE:	-
GENERAL FARM TYPE:	Pasture/ Hay	CELL PHONE:	434-960-2446
# CATTLE:	50	EMAIL:	•
LAGOON or SLURRY:	None	LATITUDE:	38.300
TOPO QUAD:	Stanardsville, Rochelle	LONGITUDE:	78.383
COMMENTS:		METHOD OF DETERMINATION:	Online Maps
Before spread	ling operations occur plea	se check all fields for rock	outcrop and slope.
			
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RECYC SYSTEMS, INC FIELD DATA SHEET

Field	DEQ	Gross	Environmentally Sensitive Soils				Tax	FSA	
Identification	Control ID	Acres	Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood	Hydro Map	Map#	Tract #
GRWRH 1	51079-00169-0000	28.7	-	-	_	-	RA 26	29-A-5	T 3154 F 1, 5
GRWRH 2	51079-00170-0000	41.9	Hb OctMay	- 2	4	Hb OctMay	RA 26	29-A-5 29-A-5B	T 3154 F 4
GRWRH 3	51079-00171-0000	54.9	Hb OctMay Sc OctApr.	AsC, AsD, HzE		Hb OctMay Sc DecMay	RA 26	29-A-5B	T 3154 F 2, 4
GRWRH 4	51079-00172-0000	19.2	Cn NovApr. Kn NovMay Sc OctApr.		-	Cs FebMay Sc DecMay	RA 26	29 - A-5B	T 3154 F 3
GRWRH 5	51079-00173-0000	16.7	Hb OctMay Kn NovMay	AsD	-	Hb OctMay	RA 26	29-A-5B	T 3154 F 4
									
	 								
TOTAL ACRES IN									
TOTAL ACRES IN SITE		161.4							

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee: Recyc Systems, Inc Site Name: Walter R. Haney

County or City: Greene Co.

Please Print

Signature not required on this page

Tax Parcel ID(s)	<u>Landowners (s)</u>
29-A-5B	Walter Reid and Patsy P. Haney
29-A-5	Walter R. and Patsy P. Haney Trustees Haney Family Rev. Trus

Page 1 of 4

Report Number: 15-233-0514

Account Number: 70594

Send To: RECYC SYSTEMS INC



7621 Whitepine Road, Richmond, VA 23237 Main 804-743-9401 ° Fax 804-271-6446 www.waypointanalytical.com

"Every acre...Every year." тм

Grower: WALTER R. HANEY

GREENE **GRWRH**

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701

Submitted By: BB

SOIL ANALYSIS REPORT

Analytical Method(s):

Mehlich 3

Date Received: 08/21/2015

Date Of Analysis: 08/24/2015

Date Of Report: 08/24/2015

	1	Or	ganic Ma	atter		Phos	phorus	P	otassium	Mag	nesium	Cal	cium	Sodium	F	ьн	Acidity	C.E.C
Sample ID Field ID	Lab Number	%	Rate	ENR lbs/A	Mehli ppm	ch 3 Rate	fleserve ppm Ra	ite pp	K m Rate	ppm	Mg Rate		a Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
1A	04186	56	н	144	46 60	М	, (c)	100) L	189	M	1963	Н	62 (6.6	6 86	0.7	12.4
1B	04187	6.4	Н	150	74	Н		109	5 M	125	M	1312	М	(58	6 75	18	97
2A	04188	3.9	М	117	8\	VL		/283	3 VH	194	Н	795	М		60	6.82	1.1	75
2B	04190	43	М	122	19	L	303	201	7 VH	239	Н	1034	М	57	5 6	6 70	23	10.0
2C	04191	4.4	М	127	13	VL		119	M	218	Н	710	L		5 4	6,71	2.2	7.9

		Perce	nt Base	Saturati	on	Nitr	ate	Su	lfur	Zi	nc	Mang	anese	ire	on	Сор	per	Boi	ron	Soluble	Salts	Chic	oride	Aluminum
Sample ID Field ID	K %	Mg %	Ca %	Na %	H %	NO ppm		ppm	S Rate	ppm	n Rate	ppm	n Rate	ppm	e Rate	Cı ppm		ppm		SS ms/cm		_	CI Rate	A! ppm
1A	2 1	12.7	79.2		5.9				_	5.4	Н	18	 M			<u>-</u>								
18	2.8	10 7	67 6		19.1		-			47	Н	14	M											
2A	97	21.6	53.0		153					2.5	M	29	Н	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \										
28	5.3	19.9	51 7		23.4		===			3 4	M	39	Н											
2C	3.9	23.0	44 9		28 4	j				23	М	20	М											

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meg/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by Waypoint Analytical Virginia, Inc.

by Pauric Me George

Page 2 of 4

Report Number: 15-233-0514 Account Number: 70594



7621 Whitepine Road, Richmond, VA 23237 Main 804-743-9401 ° Fax 804-271-6446 www.waypointanalytical.com

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701

"Every acre... Every year." 7M

GREENE GREENE

Submitted By: BB GRWRH

Date Received: 08/21/2015

Date Of Report: 08/24/2015

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P ₂ O ₅ Ib/A	Potash K ₂ O Ib/A	Magnesium Mg lb/A	Sulfur S Ib/A	Žine Zn Ib/A	Manganese Mn Ib/A	Iron Fe Ib/A	Copper Cu lb/A	Boron B Ib/A
1A	Adjust pH to 6.8	0	1.0	(S			0			2			
1B	Adjust pH to 6.8	0	2.0				0			2			
2A	Adjust pH to 6 8	0	1.3				0			0			
2B	Adjust pH to 6 8	0	2.5	2°			0		- 	0			-
2C	Adjust pH to 6 8	0	2.3	ļ			0			2			

Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made "

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Powric Mc George

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Page 3 of 4

Report Number: 15-233-0514 Account Number: 70594

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO

8455 WHITESHOP RD

CULPEPER VA 22701

Waypoint. W

7621 Whitepine Road, Richmond, VA 23237 Main 804-743-9401 ° Fax 804-271-6446 www.waypointanalytical.com

"Every acre. Every year "rm

Grower: WALTER R. HANEY

Submitted By: BB

GREENE GRWRH

SOIL ANALYSIS REPORT

Analytical Method(s):

Mehlich 3

Date Received: 08/21/2015

Date Of Analysis: 08/24/2015

Date Of Report: 08/24/2015

pН **Organic Matter Phosphorus** Potassium Magnesium Calcium Sodium Acidity C.E.C Sample ID Lab κ ENR Mehlich 3 Mg Ca Na Reserve Buffer Н Soil Field ID Number % Rate lbs/A Index ppm Rate ppm Rate ppm Rate ppm Rate ppm Rate ppm рΗ Rate mea/100a meg/100g VH) ЗА 10 ٧L 174 204 Н 758 Μ М 04192 35 110 B 6 82 601.1 7.0 34 H | 710 3B ٧L. 112 M 162 М 04193 4.5 М 131 58 6.81 1.2 64 102 VΗ 54 VL. 99 1444 VH 04194 3.7 М 112 68 0.2 8.4 ٧L 57 135 Н 634 М 5 10 04195 3.8 М 118 5.6 6.79 14 58

		Perce	nt Base	Saturati	on	Nitr	ate	Su	lfur	Zin	ю	Mang	anese	Ire	on _	Cop	per	Во	ron	Soluble	Satts	Chlo	oride	Aluminum
Sample ID Field ID	К	Mg	Ca	Na	Н	ИО	J		S	Zı			n	1	e	С		1 -	3	ŞS			ä	Ai
	%	%	%	%	%	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ms/cm	Rate	ppm	Rate	ppm
ЗА	6.4	24 3	54.1		15.4					24	M	35	Н											
38	4.5	21,1	55.5		190					2.0	Ĺ	65	VH				<u> </u>					_ _		
1	16	98	86 0		2.9					32	М	103	VH											
5	2.5	19.4	54 7		23 3					17	L	32	Н										-	

Values on this report represent the plant available nutrients in the soit. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENP - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-rnhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Satts ms/cm x 640 = ppm

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by Waypoint Analytical Virginia, Inc.

by Pauric Mc George

Pauric McGroary

Page 4 of 4

Report Number: 15-233-0514 Account Number: 70594 Waypoint. W

7621 Whitepine Road, Richmond, VA 23237 Main 804-743-9401 ° Fax 804-271-6446 www.waypointanalytical.com

Send To: RECYC SYSTEMS INC

SUSAN TRUMBO 8455 WHITESHOP RD CULPEPER VA 22701

"Every acre. Every year." TM

Grower: WALTER R. HANEY
GREENE

Submitted By: BB GRWRH

Date Received: 08/21/2015

Date Of Report: 08/24/2015

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N Ib/A	Phosphate P ₂ O ₅ Ib/A	Potash K ₂ O Ib/A	Magnesium Mg Ib/A	Sulfur S Ib/A	Zinc Zn Ib/A	Manganese Ma Ib/A	iron Fe lb/A	Copper Cu Ib/A	Boron B Ib/A
ЗА	Adjust pH to 6 8	0	13	1.3			0			0			
3B	Adjust pH to 6.8	0	1.5 (2			0			0	·		
4	Adjust pH to 6 8	0	0.0				0			0			
5	Adjust pH to 6 8	0	20				0			0			

Comments:

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

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Powrie Mc George

Pauric McGroary

THE PLANNER IS NOT STATE CERTIFIED

Nutrient Management Plan Balance Sheet (Spring, 2018-Summer, 2020) Walter R. Haney Planner: John Doe

Tract: 3154 Location: Greene

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (Ibs/ac)	Net = Needs - appld N-P-K (lbs/ac)	P	Commercial N-P-K (lbs/ac)	Notes	
	Used		<u> </u>		<u> </u>	<u> </u>			<u> </u>	cred			<u> </u>
1, 5/GRWRH 1(N)	29/29	2018	Hay/Pasture	100-40-95	0/0				100-40-95	N/A_	L	<u>.l</u>	1
4/GRWRH 2(N)	42/42	2018	Grass Pasture	50-50-0	0/0				50-50-0	N/A_			<u> </u>
2, 4/GRWRH 3(N)	55/55	2018	Grass Pasture	50-120-0	0/0		\Box		50-120-0	N/A			L
3/GRWRH 4(N)	19/19	2018	Fescue grass hay	90-40-185	0/0				90-40-185	N/A			
` ,	1	Ī	mt.	L		L		l				<u> </u>	L
4/GRWRH 5(N)	17/17	2018	Grass Pasture	50-60-50	0/0			1	50-60-50	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Soil Test Summary

Tract	Field	Acre	Date	P2O5	K20	Lab	Soil pH	Lime Date	rec. lime tons/Ac
3154	GRWRH 1	29	2015-Su	H- (60 P ppm)	M (103 K ppm)	A&L MIII	6.2		
3154	GRWRH 2	42	2015-Su	L (13 P ppm)	H+ (203 K ppm)	A&L MIII	5.7		
3154	GRWRH 3	5 5	2015-Su	L- (8 P ppm)	H- (143 K ppm)	A&L MIII	5.9		
3154	GRWRH 4	19	2015-Su	H+ (102 P ppm)	M- (54 K ppm)	A&L MIII	6.8		
3154	GRWRH 5	17	2015-Su	L- (10 P ppm)	M- (57 K ppm)	A&L MIII	6.6		

Field Productivities for Major Crops

Tract Name	Tract/	Field Name	Acres	Predominant Soil	Corn	Small	Alfalfa	Grass	Environmental Warnings
1	Field			Series		Grain		Hay	
3154	3154/1, 5	GRWRH 1	29	Elioak	IVb	III	111	111	
	3154/4	GRWRH 2*	42	Elioak	lVb	IV	111	H1	Poor Drainage, High Slope
	3154/2, 4	GRWRH 3*	55	Elioak	IVb	111	111	111	High Leaching, Poor Drain
	3154/3	GRWRH 4	19	Codorus	lla	11	Ħ	11	
	3154/4	GRWRH 5*	17	Ashe	٧	IV	Not Suited	١٧	High Leaching, Poor Drain

^{*} Do not apply manure or biosolids more than 30 days prior to planting. Apply commercial fertilizer nitrogen to row crops in split spring applications.

Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
J	>170	>80	>64	>6	>4.0
il	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	<4	3.0-3.5
١٧	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

Farm Summary Report

Plan: New Plan Spring, 2018 - Summer, 2020

Farm Name: Walter R. Haney

Location: Greene Specialist: John Doe N-based Acres: 161.4 P-based Acres: 0.0

Tract Name: 3154 FSA Number: 3154

Location: Greene

Field Name: GRWRH 1

Total Acres: 28.70 Usable Acres: 28.70

FSA Number: 1, 5 Tract: 3154

Location: Greene

Slope Class C Hydrologic Group: D

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method. Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Su-2015 6.2 H-(60 P ppm) M(103 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

12	EIB	Elioak
10	EIC	Elioak
49	EnC3	Elioak
30	EnD3	Elioak

Field Warnings:

Field Name: GRWRH 2

Total Acres: 41.90 Usable Acres: 41.90

FSA Number; 4 Tract: 3154

Location: Greene

Slope Class: C Hydrologic Group: D

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method. Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	Р	K		Lab
Su-2015	5.7	L(13 P ppm)	H+(203 K ppm)	A&L MIII	

Soils:

PERCENT	SYMB	OL	SOIL SERIES
3	EIC	Elioak	
55	EnC3	Elioak	
29	EnD3	Elioak	
8	Hb	Hatbord)
5	MvB	Meadov	wville

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with high potential for subsurface lateral flow based on soil texture and poor drainage

Soils with perent slope in excess of 15%

Field Name: GRWRH 3

Total Acres: 54.90 Usable Acres: 54.90

FSA Number: 2, 4 Tract: 3154

Location: Greene

Slope Class: C Hydrologic Group D

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method. Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PΗ	Ρ	K	Lab
Su-2015	5.9	L-(8 P ppm)	H-(143 K ppm)	A&L MIII

Soils:

PERCENT	SYMB	OL	SOIL SERIES
5	AsC	Ashe	
10	AsD	Ashe	
23	EIC	Elioak	
20	EnC3	Elioak	
21	EnD3	Elioak	
3	Hb	Hatbor	o
2	HzE	Hazel	
14	Sc	Codoru	is Suches
3	UnB	Unison	

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with high potential for subsurface lateral flow based on soil texture and poor drainage

Shallow soils less than 41 inches deep likely to be located over fractured or limestone bedrock

Soils with perent slope in excess of 15%

Field Name: GRWRH 4

Total Acres: 19.20 Usable Acres: 19.20

FSA Number: 3 Tract: 3154

Location: Greene

Slope Class B Hydrologic Group D

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method. Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

Su-2015 6.8 H+(102 P ppm) M-(54 K ppm) A&L MIII

Soils:

PERCENT SYMBOL SOIL SERIES

49 Cn Codorus 11 Cs Comus

2	EnD3	Elioak
19	Kn	Kinkora
11	MvB	Meadowville
8	Sc	Codorus Suches

Field Warnings:

Field Name: GRWRH 5

Total Acres: 16.70 Usable Acres: 16.70

FSA Number: 4 Tract: 3154

Location: Greene

Slope Class C Hydrologic Group. C

Riparian buffer width: 0 ft Distance to stream; 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	Р	K		Lab
Su-2015	6.6	L-(10 P ppm)	M-(57 K ppm)	A&L MIII	

Soils:

PERCENT	SYMBO	OL	SOIL SERIES
51	AsD	Ashe	
5	EIB	Elioak	
25	EnC3	Elioak	
16	Hb	Hatbor	0
3	Kn	Kinkora	a

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

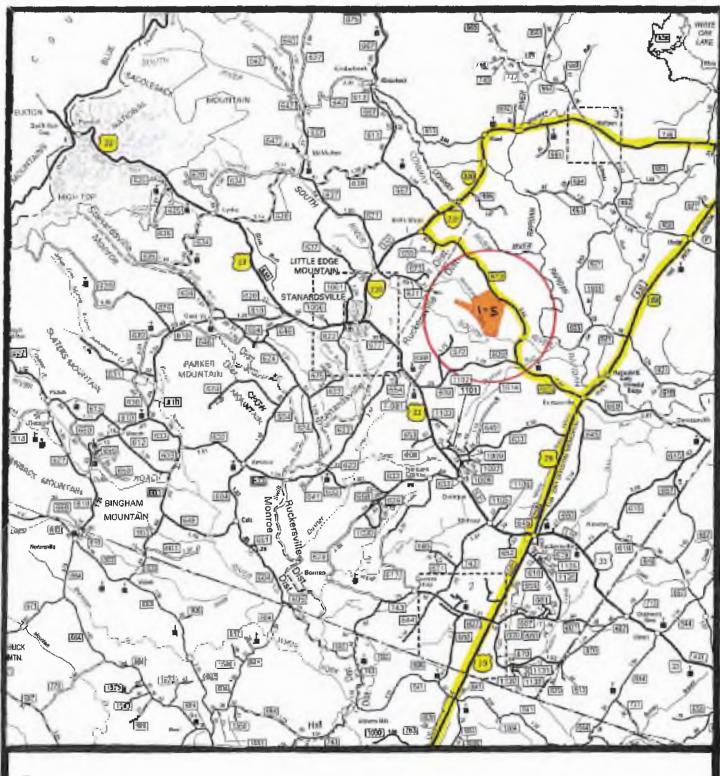
Soils with high potential for subsurface lateral flow based on soil texture and poor drainage

Soils with perent slope in excess of 15%

M P

(Biøsolids Land Application)





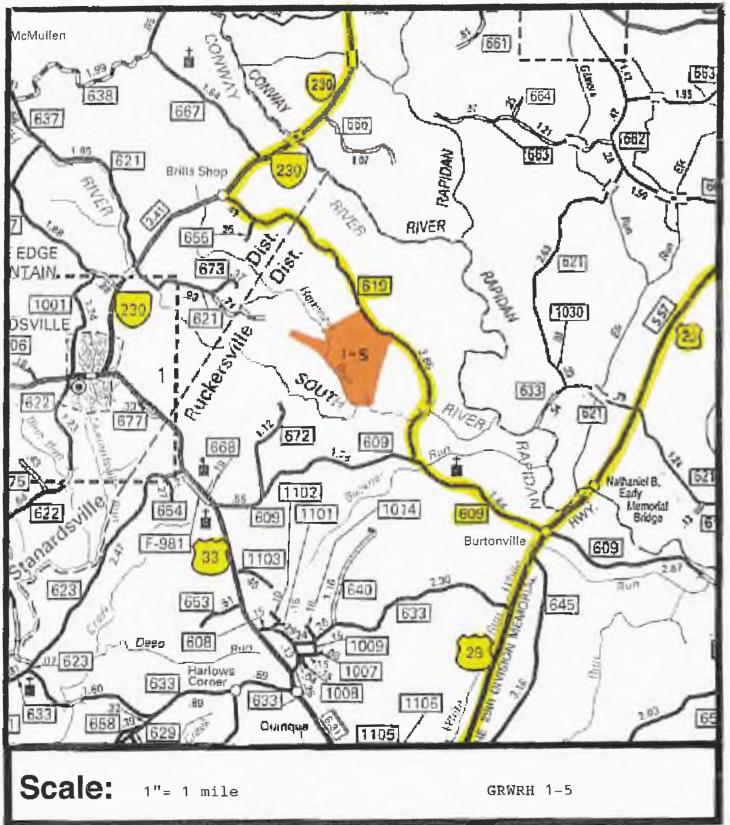
Scale:

1''=2 miles

GRWRH 1-5

(Biosolids Land Application)

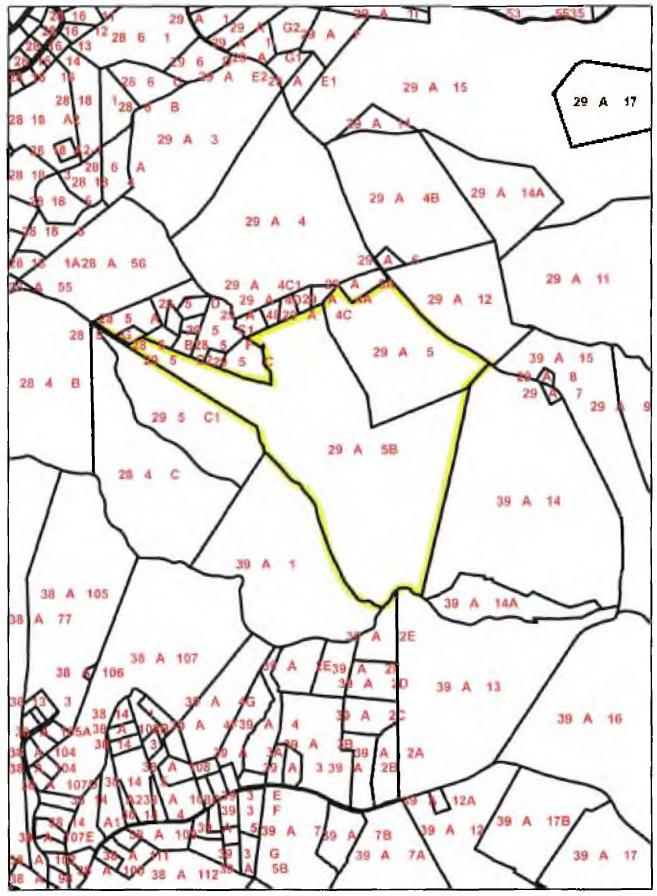




1-17-18

VICINITY MAP

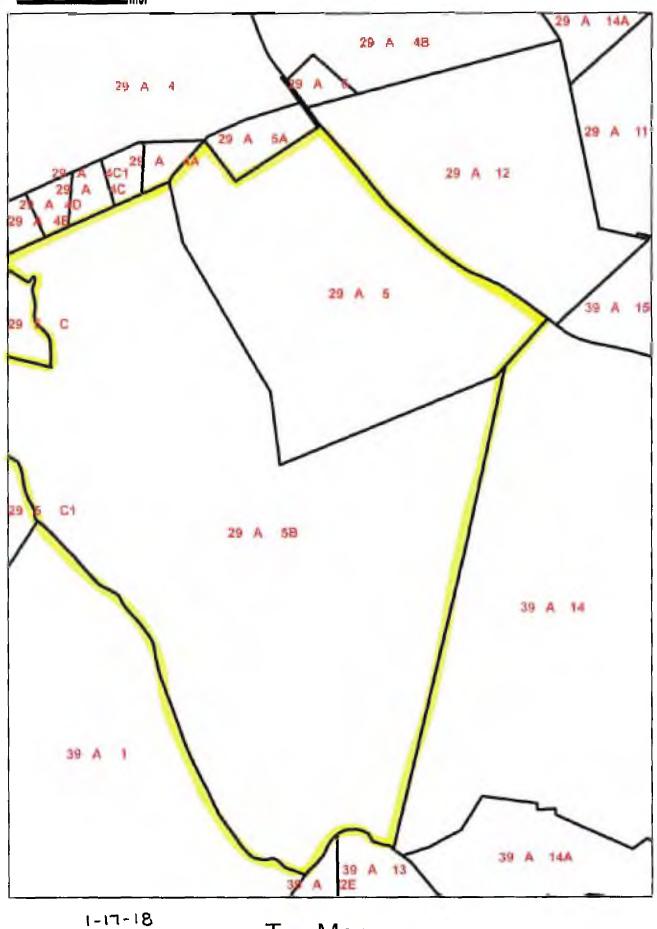






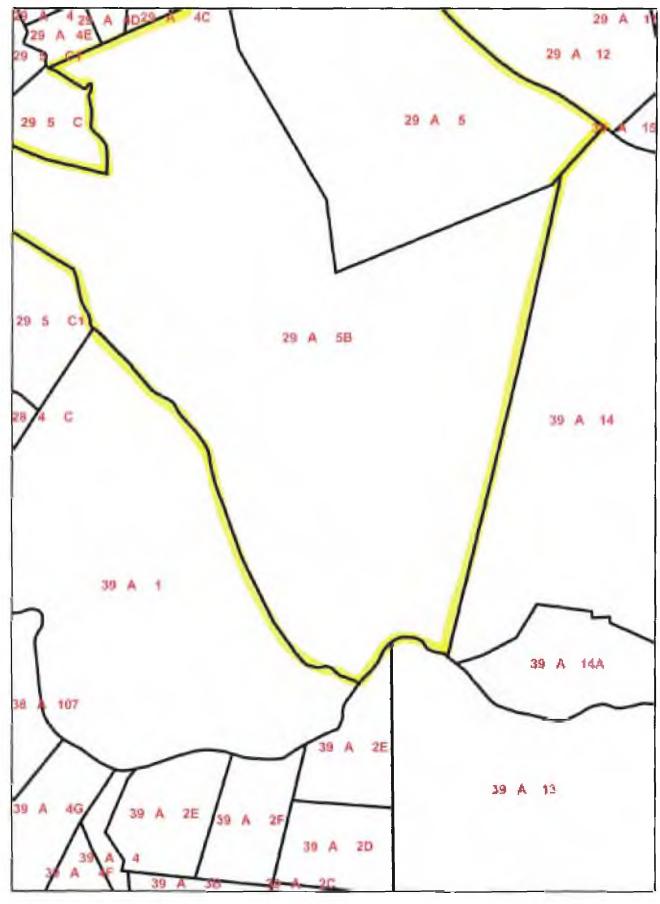
1-17-18







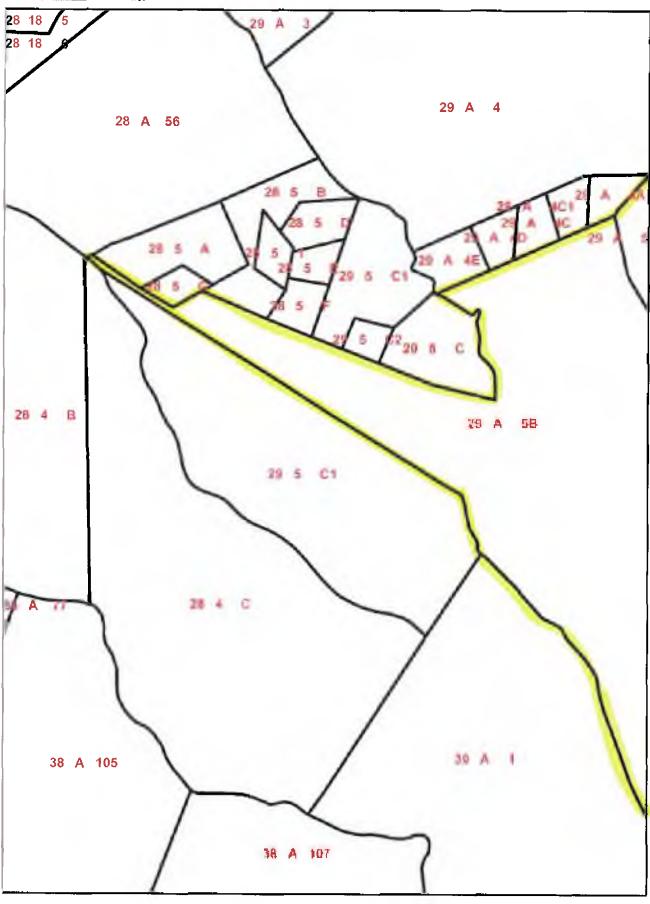






1-17-18







1-17-18

Tax Map

ADJOINING LANDOWNERS

Walter R. Haney

GREENE COUNTY

Tax Map	Parcel #	Owner Name(s)
28		Merle W. Fallon Tr. Of the James W. Hazel GST Tr. And James
28	4C	and Sarah Hazel
		James W. Hazel and Merle W. Fallon as Trustees of the James W.
	4 C1	Hazel GST
u.	5 A	Bernard F. and Paula L. Henshaw
	5 B	Owen Henshaw Jr.
1	5 C	Rhonda M. Mefferd
	5 C1	Rhonda M. Mefferd
	5 C2	Rhonda M. Mefferd
	5 F	Toni M.Shepherd Jenkins and Rodney C. Jenkins
	5 G	Kathryn B. Henshaw Collier and Max Jr.
	A 56	Sam B. Henshaw (Estate) et. als. c/o Rhonda Mefferd
29	A 4	Maxwell K. and Donna J. Henshaw
	A 4A	James A. and Patricia Henshaw
	A 4C	James A. and Patricia Henshaw
	A 4C1	K. A. T. Associates Inc.
	A 12	James A. and Patricia Henshaw
	A 4D	James A. and Patricia Henshaw
	A 4E	James A. and Patricia Henshaw
	A 5A	Christopher Brian and Ashley M. Haney
		Thomas and Carolyn Eddins, Trustees of the Thomas and Carolyn
39	A 1	Eddins Revocable Trust
	1	Mary Ann Newbill Burke Trustee of Mary Ann Newbill Burke
	A 2E	Rev Trust
	A 13	George W. Haney
	A 14	Kathryn Thomas
		·

1C. (Biosolids Land Application)





Scale:

1"= 660 ft.

GRWRH 1-3

(Biosolids Land Application)



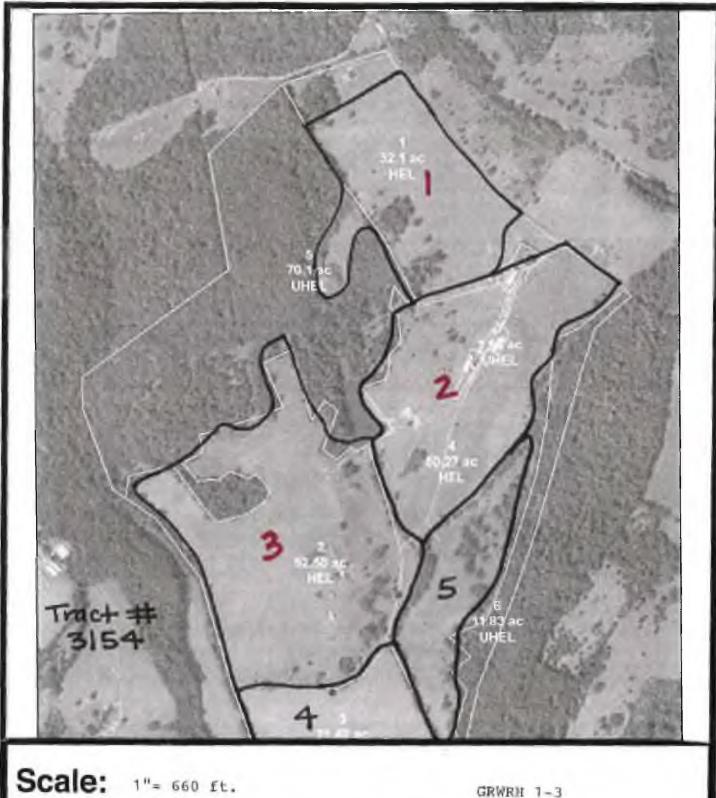


Scale: 1"= 660 ft

GRWRH 2-5

(Biosolids Land Application)





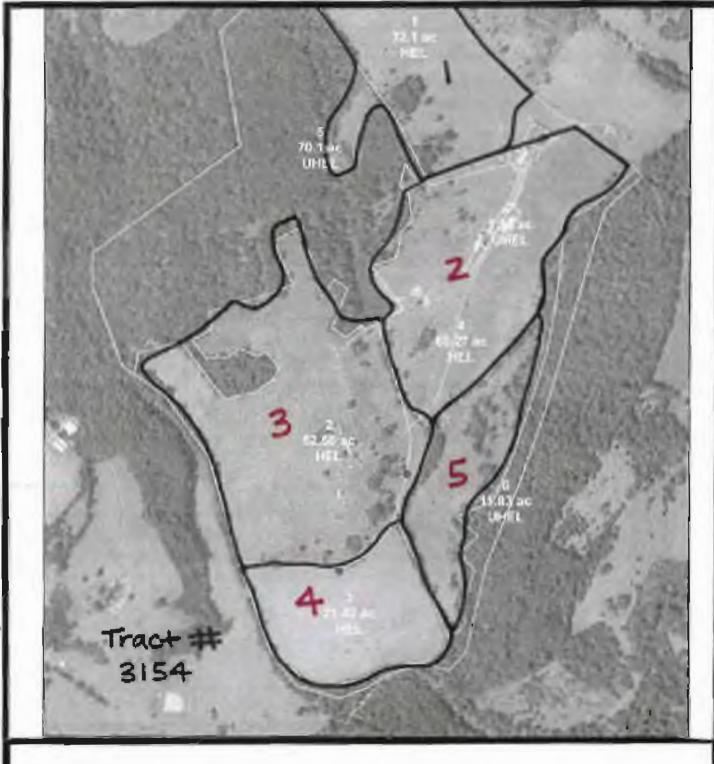
1-17-18

AERIAL MAP

GRWRH 1-3

(Biosolids Land Application)





Scale: 1"= 660 ft.

GRWRH 2-5

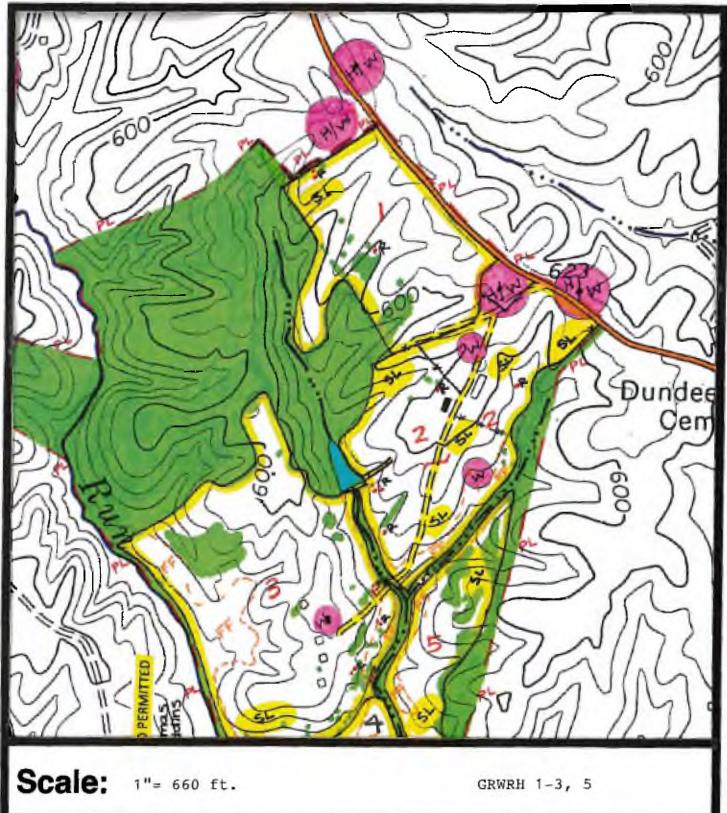
Legend For Site Plan

Symbol	Feature	Minimum Setback
	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
	Well or Spring	100 feet from water supply wells or springs
Tal Sames	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
Ш	Wet Spot	
	Trees and Woods	
	Private Drive	
	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
2	Severely Eroded Spot	18 Inch minimum depth of soil
	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
	Fence / Field Boundary	
P P P	Property Line	100 feet from property line *
SL S	Slope	15% maximum
	Hashed out Area	No application

^{*}Buffer can be reduced or waived upon written consent from landowner.

IC. (Biosolids Land Application)



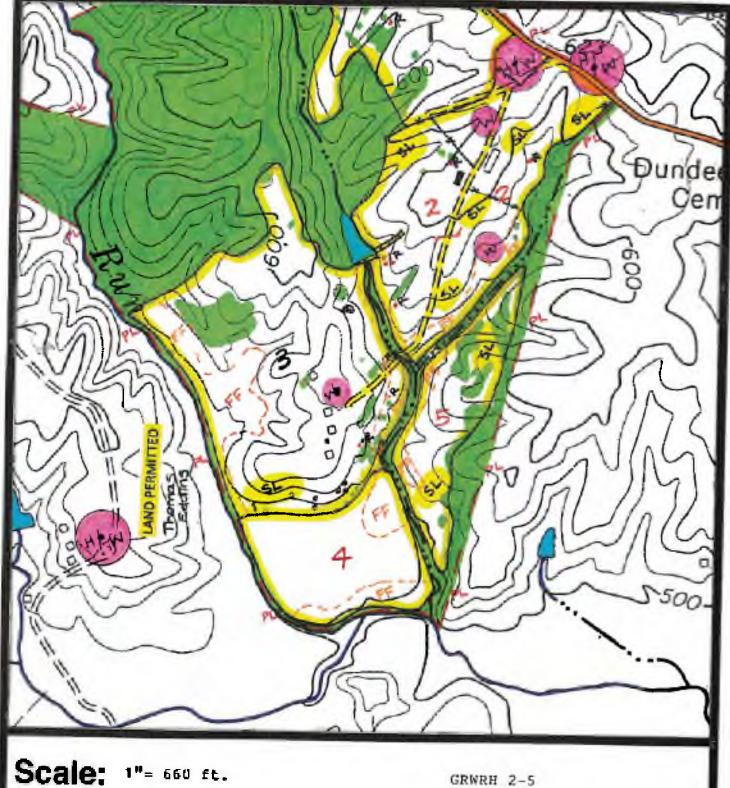


1-17-18

SITE PLAN

(Biosolids Land Application)



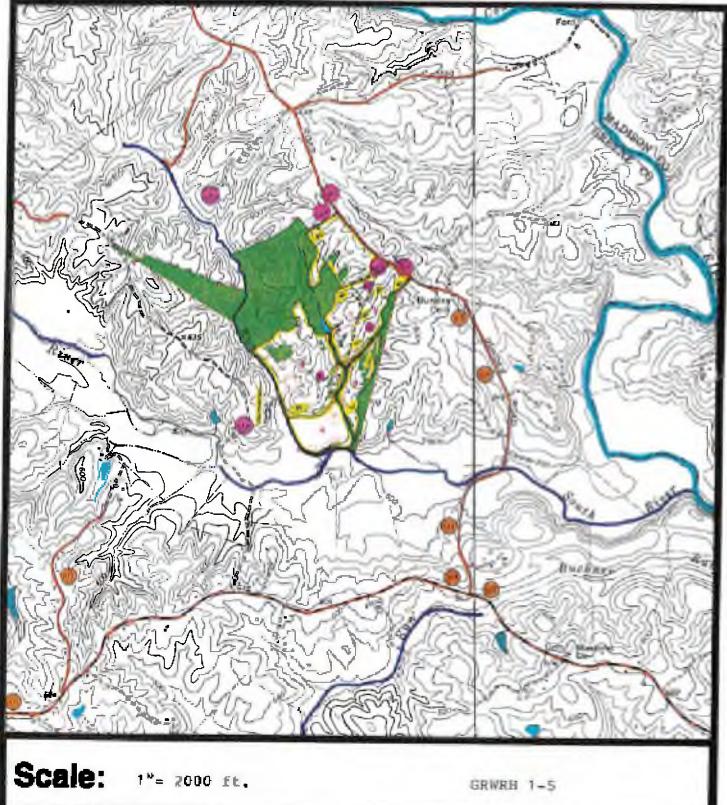


1-17-18

SITE PLAN

(Biosolids Land Application)





1-17-18

TOPOGRAPHIC MAP